

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFA VS RFA DIAPHRAGM MAST CELLS PER SQUARE CENTIMETER

Calculated F-ratio = 2.0702 with 4 , 4 degrees of freedom.

The variances are equal since 2.0702 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	1233.3000	1289.9000
2 ==>	896.4000	1260.5000
3 ==>	911.6000	1136.4000
4 ==>	1290.9000	1495.8000
5 ==>	1329.5000	1139.2000
N's ==>	5	5
Total ==>	5661.7000	6321.8000
Means ==>	1132.3400	1264.3600
Sum of squares ==>	178600.0920	86270.4520
Variances ==>	44650.0230	21567.6130
Std deviations ==>	211.3055	146.8592
Calculated value of T =	1.1472 with	8 degrees of freedom.
The exact P-value is:	0.2844	or 71.56%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

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SLS-1 DFPT RFR VS RFR DIAPHRAGM MAST CELLS PER SQUARE CENTIMETER

Calculated F-ratio = 2.0056 with 4 , 4 degrees of freedom.

The variances are equal since 2.0056 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	1052.8000	1118.3000
2 ==>	904.6000	719.9000
3 ==>	782.6000	996.2000
4 ==>	922.2000	914.2000
5 ==>	797.8000	1058.5000
N's ==>	5	5
Total ==>	4460.0000	4807.1000
Means ==>	892.0000	961.4200
Sum of squares ==>	47769.4400	95807.1480
Variances ==>	11942.3600	23951.7870
Std deviations ==>	109.2811	154.7636

Calculated value of T = 0.8193 with 8 degrees of freedom.

The exact P-value is: 0.4363 or 56.37%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

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SLS-1 DFPT RPA VS RFA DIAPHRAGM MAST CELL CONCENTRATIONS

Calculated F-ratio = 1.0003 with 4 , 4 degrees of freedom.

The variances are equal since 1.0003 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	188.7000	179.3000
2 ==>	149.7000	143.7000
3 ==>	172.3000	125.0000
4 ==>	142.0000	178.0000
5 ==>	126.3000	136.7000
N's ==>	5	5
Total ==>	779.0000	762.7000
Means ==>	155.8000	152.5400
Sum of squares ==>	2452.5600	2451.8120
Variances ==>	613.1400	612.9530
Std deviations ==>	24.7617	24.7579

Calculated value of T = 0.2082 with 8 degrees of freedom.

The exact P-value is: 0.8403 or 15.97%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

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SLS-1 DFPT RFR VS RFR DIAPHRAGM MAST CELL CONCENTRATIONS

Calculated F-ratio = 1.5831 with 4 , 4 degrees of freedom.

The variances are equal since 1.5831 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	205.3000	201.3000
2 ==>	215.3000	130.3000
3 ==>	162.0000	182.3000
4 ==>	154.0000	135.3000
5 ==>	182.7000	193.7000
N's ==>	5	5
Total ==>	919.3000	842.9000
Means ==>	183.8600	168.5800
Sum of squares ==>	2818.9720	4462.7680
Variances ==>	704.7430	1115.6920
Std deviations ==>	26.5470	33.4020

Calculated value of T = 0.8008 with 8 degrees of freedom.

The exact P-value is: 0.4464 or 55.36%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

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SLS-1 DFPT RFA VS RFA DIAPHRAGM ABNORMAL FIBERS PER SQUARE CENTIM

Calculated F-ratio = 1.9376 with 4 , 4 degrees of freedom.

The variances are equal since 1.9376 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	169.9000	156.1000
2 ==>	247.3000	195.6000
3 ==>	289.4000	293.6000
4 ==>	290.9000	271.4000
5 ==>	196.8000	114.2000
N's ==>	5	5
Total ==>	1194.3000	1030.9000
Means ==>	238.8600	206.1800
Sum of squares ==>	11858.2120	22976.1680
Variances ==>	2964.5530	5744.0420
Std deviations ==>	54.4477	75.7895
Calculated value of T =	0.7831 with	8 degrees of freedom.

The exact P-value is: 0.4561 or 54.39%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

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SLS-1 DFPT RFR VS RFR DIAPHRAGM ABNORMAL FIBERS PER SQUARE CENTIM

Calculated F-ratio = 41.3720 with 4 , 4 degrees of freedom.

The variances are UNEQUAL since 41.3720 is greater than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	155.4000	259.4000
2 ==>	551.7000	209.9000
3 ==>	135.3000	189.6000
4 ==>	213.8000	223.0000
5 ==>	243.2000	235.0000
N's ==>	5	5
Total ==>	1299.4000	1116.9000
Means ==>	259.8800	223.3800
Sum of squares ==>	113996.7480	2755.4080
Variances ==>	28499.1870	688.8520
Std deviations ==>	168.8170	26.2460

Calculated value of T = 0.4777 with 4 degrees of freedom.

The exact P-value is: 0.6578 or 34.22%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

SLS-1 DFPT RFA VS RFA DIAPHRAGM ABNORMAL FIBER COUNTS

Calculated F-ratio = 3.1173 with 4 , 4 degrees of freedom.

The variances are equal since 3.1173 is less than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
1 ==>	26.0000	21.7000
2 ==>	41.3000	22.3000
3 ==>	54.7000	32.3000
4 ==>	32.0000	32.3000
5 ==>	18.7000	13.7000
N's ==>	5	5
Total ==>	172.7000	122.3000
Means ==>	34.5400	24.4600
Sum of squares ==>	782.4120	250.9920
Variances ==>	195.6030	62.7480
Std deviations ==>	13.9858	7.9214

Calculated value of T = 1.4023 with 8 degrees of freedom.

The exact P-value is: 0.1984 or 80.16%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

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SLS-1 DFPT RFR VS RFR DIAPHRAGM ABNORMAL FIBER COUNTS

Calculated F-ratio = 57.5654 with 4 , 4 degrees of freedom.

The variances are UNEQUAL since 57.5654 is greater than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
	-----	-----
1 ==>	30.3000	46.7000
2 ==>	131.3000	38.0000
3 ==>	28.0000	34.7000
4 ==>	35.7000	33.0000
5 ==>	55.7000	43.0000
N's ==>	5	5
Total ==>	281.0000	195.4000
Means ==>	56.2000	39.0800
Sum of squares ==>	7526.5600	130.7480
Variances ==>	1881.6400	32.6870
Std deviations ==>	43.3779	5.7173

Calculated value of T = 0.8749 with 4 degrees of freedom.

The exact P-value is: 0.4310 or 56.90%

The samples do NOT differ significantly at the 5% level, ONE-TAILED.

The samples do NOT differ significantly at the 1% level, ONE-TAILED.

The samples do NOT differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.